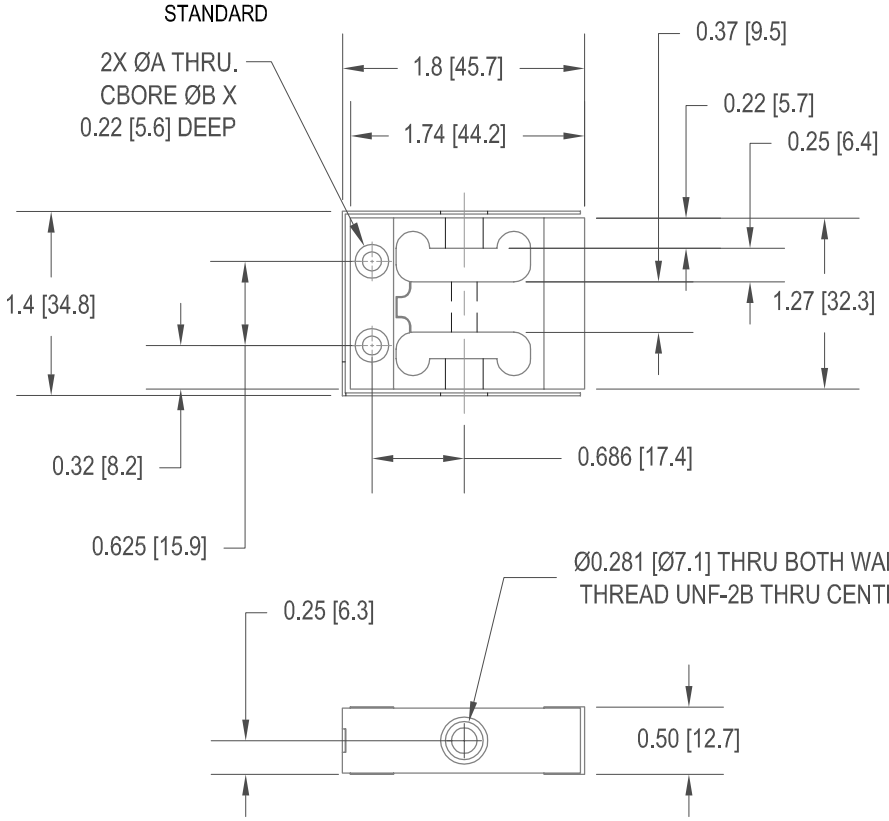
FUTEK MODEL LSM300 (L2330)

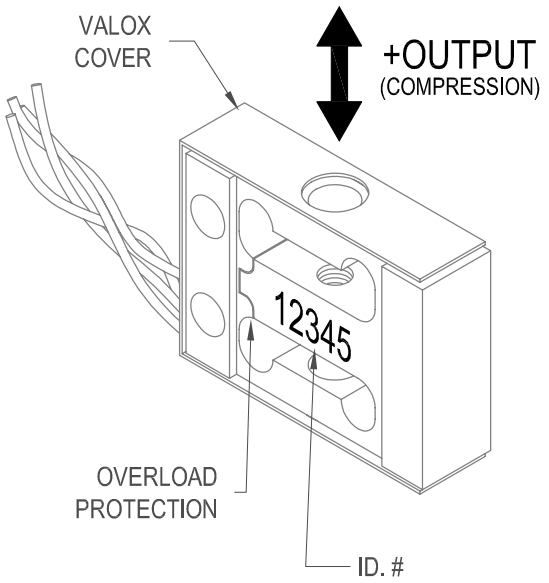
PARALLELOGRAM LOAD CELL W/ OVERLOAD PROTECTION (OEM TYPE)

Drawing Number: FI1038-A	
INCH [mm]	R.O.= Rated Output

WIRING CODE (WC2)			
+Excitation	-Excitation	+Signal	-Signal
GREEN	BLACK	WHITE	RED

COLOR CODE FOR THIS SENSOR IS NOT FUTEK STANDARD





FOR LOWER CAPACITIES REFER TO MODEL LSM250 (L2331)

Stock #	CAPACITY lb	CAPACITY N	THREAD	A	B	NOM. DEFLECTION	SAFE OVERLOAD (lb)
FSH00001	2.2	9.8	#10-32	0.14 [3.6]	0.25 [6.4]	-	250
FSH00002	5	22.2				-	250
FSH00004	10	44.5					250
FSH00005	25	111					250
FSH00006	50	222					250
FSH00007	100	445					250
FSH00008	200	890					400*
FSH00009	500	2224	1/4-28	0.21 [5.3]	0.34 [5.6]	-	1000*

* IF ADDITIONAL PINS ARE USED

SPECIFICATIONS:

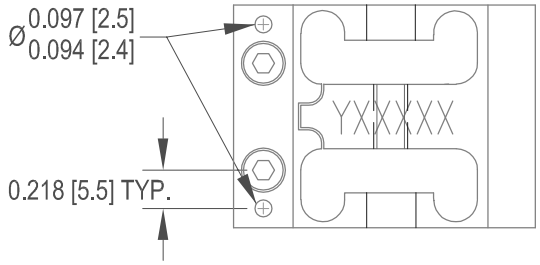
RATED OUTPUT	*2 mV/V nom.*
SAFE OVERLOAD (2.2 - 100 lb)	*250 lb*
SAFE OVERLOAD (200 - 500 lb)	*200% of R.O.*
ZERO BALANCE	*±3% of R.O.*
EXCITATION (VDC OR VAC)	*18 MAX*
BRIDGE RESISTANCE	*1000 Ω nom.*
NONLINEARITY (2.2 - 100 lb)	*±0.02% of R.O.*
HYSTERESIS (2.2 - 100 lb)	*±0.02% of R.O.*
NONLINEARITY (200 - 500 lb)	*±0.06% of R.O.*
HYSTERESIS (200 - 500 lb)	*±0.06% of R.O.*
NONREPEATABILITY	*±0.02% of R.O.*
CREEP	*±0.025% of LOAD.*
TEMP. SHIFT ZERO	*±0.005% of R.O./°F [0.01% of R.O./°C]*
TEMP. SHIFT SPAN	*±0.005% of LOAD/°F [0.01% of LOAD/°C]*
COMPENSATED TEMP.	*60 to 160°F [15 to 72°C]*
OPERATING TEMP.	*-60 to 200°F [-50 to 93°C]*
WEIGHT	*1 to 3 oz [28 to 85 g]*
MATERIAL	*ALUMINUM (2.2 to 100 lb) 17-4PH S.S. (200-500 lb)*

CABLE: #29 AWG, 4 Conductor, Spiral Teflon Cable 6 in. [152.4 mm] Long

ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE

CALIBRATION (STD)	*2 pt. TENSION; 150KΩ SHUNT CAL. VALUE*
CALIBRATION (AVAILABLE)	*2 pt. COMPRESSION*
CALIBRATION TEST EXCITATION	*10 VDC*

ADDITIONAL PIN LOCATION DIAGRAM



FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

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